

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
24 March 2005 (24.03.2005)

PCT

(10) International Publication Number
WO 2005/026347 A1

(51) International Patent Classification⁷: C12N 15/09

(21) International Application Number: PCT/JP2004/013384

(22) International Filing Date: 8 September 2004 (08.09.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

2003-317104	9 September 2003 (09.09.2003)	JP
2003-339520	30 September 2003 (30.09.2003)	JP
2003-339521	30 September 2003 (30.09.2003)	JP
2003-427355	24 December 2003 (24.12.2003)	JP
2004-066801	10 March 2004 (10.03.2004)	JP

(71) Applicant (for all designated States except US): FUJI PHOTO FILM CO., LTD. [JP/JP]; 210, Nakanuma, Minami-Ashigara-shi, Kanagawa 250-0123 (JP).

(72) Inventors; and

(75) Inventors/Applicants (for US only): MORI, Toshihiro [JP/JP]; c/o Fuji Photo Film Co., Ltd., 11-46, Senzui 3-chome, Asaka-shi, Saitama 351-0024 (JP). MAKINO, Yoshihiko [JP/JP]; c/o Fuji Photo Film Co., Ltd., 11-46, Senzui 3-chome, Asaka-shi, Saitama 351-0024 (JP). HANDO, Rie [JP/JP]; c/o Fuji Photo Film Co., Ltd., 11-46, Senzui 3-chome, Asaka-shi, Saitama 351-0024 (JP). TAKESHITA, Yumiko [JP/JP]; c/o Fuji Photo Film Co., Ltd., 11-46, Senzui 3-chome, Asaka-shi, Saitama 351-0024 (JP). INOMATA, Hiroko [JP/JP]; c/o Fuji Photo Film Co., Ltd. 11-46, Senzui 3-chome, Asaka-shi, Saitama 351-0024 (JP).

(74) Agents: OGURI, Shohei et al.; Eikoh Patent Office, 13th Floor, ARK Mori Building, 12-32, Akasaka 1-chome, Minato-ku, Tokyo 107-6013 (JP).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2005/026347 A1

(54) Title: METHOD FOR ISOLATING AND PURIFYING A NUCLEIC ACID

(57) Abstract: The present invention is a method for isolating and purifying a nucleic acid, where generation of foams is able to be suppressed whereby the isolation and purification of a nucleic acid are easily and efficiently carried out, the method for isolating and purifying a nucleic acid comprising the step of: (1) contacting a sample solution containing nucleic acid to a solid phase to adsorb the nucleic acid onto the solid phase; (2) contacting a washing solution to the solid phase to wash the solid phase in such a state that the nucleic acid is adsorbed; and (3) contacting an elution solution to the solid phase to desorb the nucleic acid, wherein the sample solution containing nucleic acid contains an antifoaming agent.

Best Available Copy